

FIG. 1

FIG.2A

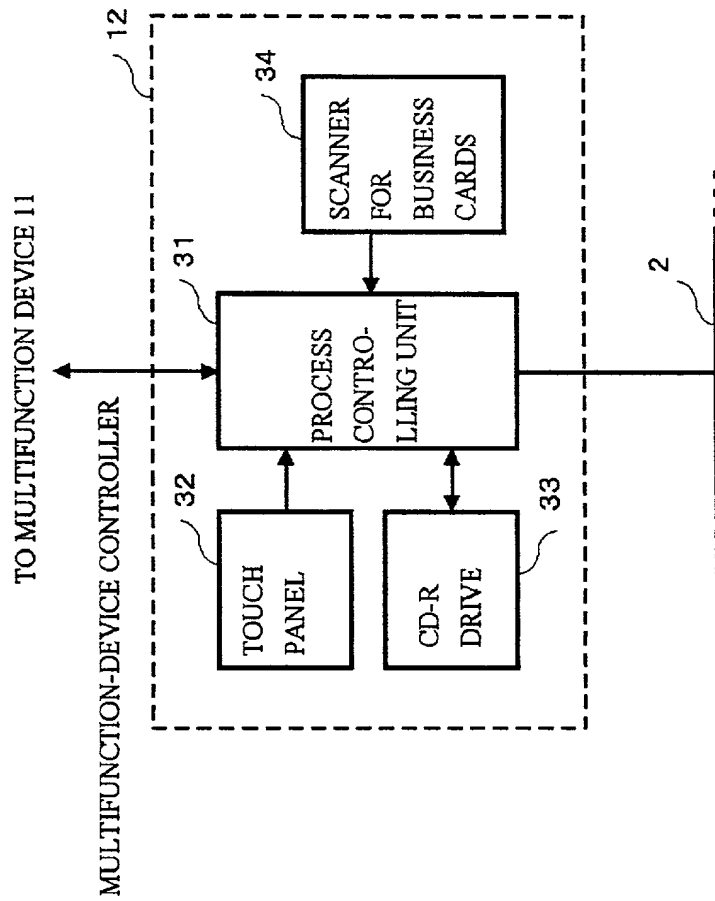
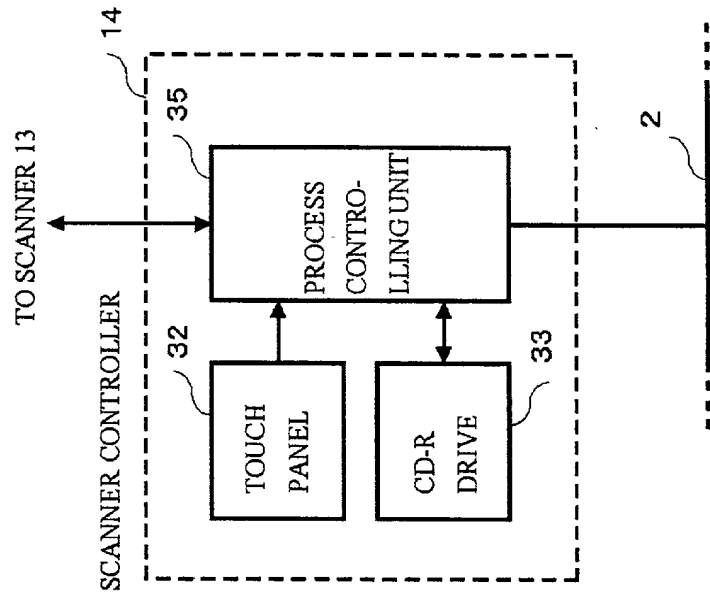


FIG.2B



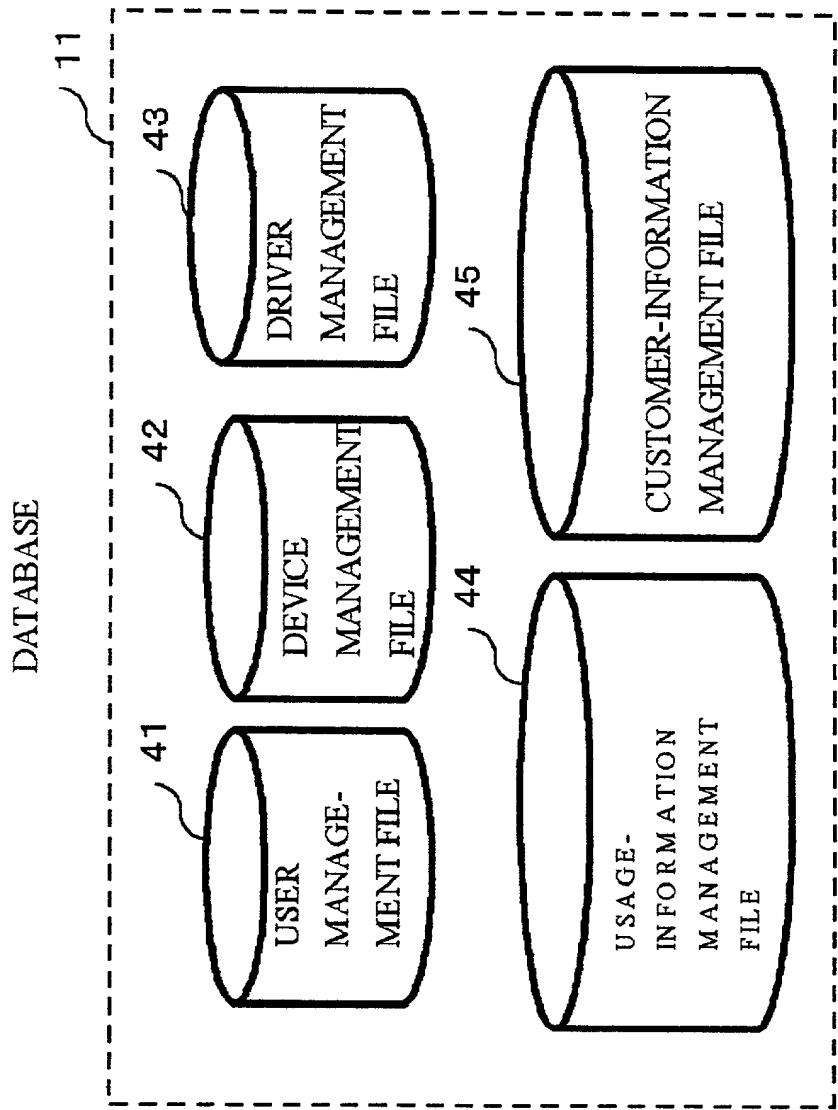


FIG.3

FIG.4A

USER MANAGEMENT FILE

| ID NUMBER | NAME         | SECTION CODE | SECTION NAME | TELEPHONE NUMBER | FAX NUMBER | E-MAIL ADDRESS |
|-----------|--------------|--------------|--------------|------------------|------------|----------------|
| 1234567   | SUSAN BECKER | 123          | ABC SECTION  | 1234-5678        | 8765-4321  | yama@ri.co.jp  |
| 2345678   | JOHN OLSON   | 234          | XYZ SECTION  | 2345-6789        | 9876-5432  | ta@ri.co.jp    |
| ⋮         | ⋮            | ⋮            | ⋮            | ⋮                | ⋮          | ⋮              |

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FIG.4.B

DEVICE MANAGEMENT FILE

| SERIAL NUMBER | MODEL NAME | CLASSIFICATION       | NETWORK ADDRESS | LOCATION   | ----- |
|---------------|------------|----------------------|-----------------|------------|-------|
| 1234          | ABC-1234   | MULTIFUNCTION DEVICE | 192.168.0.1     | 5-TH FLOOR | ----- |
| 2345          | BCD-2345   | PRINTER              | 192.168.0.2     | 4-TH FLOOR | ----- |
| ⋮             | ⋮          | ⋮                    | ⋮               | ⋮          | ⋮     |

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FIG.4C

DRIVER MANAGEMENT FILE

| MODEL NAME | VERSION | STORAGE FOLDER |       |
|------------|---------|----------------|-------|
| ABC-1234   | 1.01    | %sys%abc%drv   | ----- |
| BCD-2345   | 2.03    | %sys%bcd%drv   | ----- |
| ⋮          | ⋮       | ⋮              | ----- |

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FIG.5A

USAGE-INFORMATION MANAGEMENT FILE 44

| SERIAL<br>NUMBER | ID NUMBER | BOTH-SIDE<br>PRINTING(SC<br>ANNING) | A 4 | A 3 | B 4 | B 5 | ----- |
|------------------|-----------|-------------------------------------|-----|-----|-----|-----|-------|
| 1234             | 1234567   | 12                                  | 234 | 0   | 0   | 45  | ----- |
|                  | 2345678   | 0                                   | 345 | 23  | 456 | 678 | ----- |
|                  | ⋮         | ⋮                                   | ⋮   | ⋮   | ⋮   | ⋮   | ----- |

FIG.5B

CUSTOMER-INFORMARION MANAGEMENT FILE 45

| CUSTOMER<br>ID | NAME            | COMPANY<br>CODE | COMPANY<br>NAME          | FAX NUMBER | EMAIL<br>ADDRESS | ----- |
|----------------|-----------------|-----------------|--------------------------|------------|------------------|-------|
| 3456789        | JOHN OLSON      | 345             | AB MEDICAL<br>CORPRATION | 3456-7890  | ab@cd.co.jp      | ----- |
| 4567890        | SUSAN<br>BECKER | 456             | XY<br>ELECTRONICS        | 4567-8901  | bc@de.co.jp      | ----- |
| ⋮              | ⋮               | ⋮               | ⋮                        | ⋮          | ⋮                | ----- |

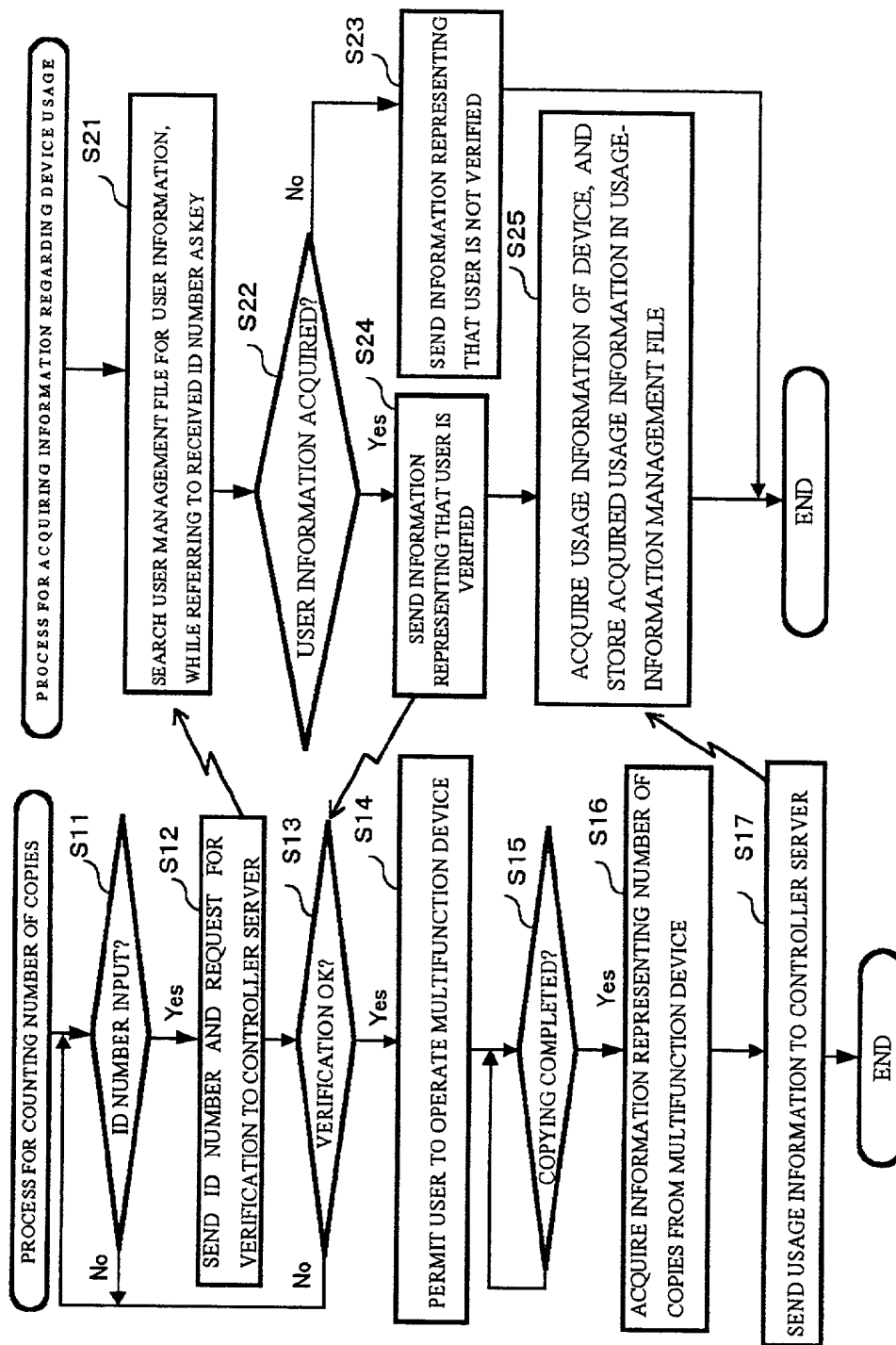
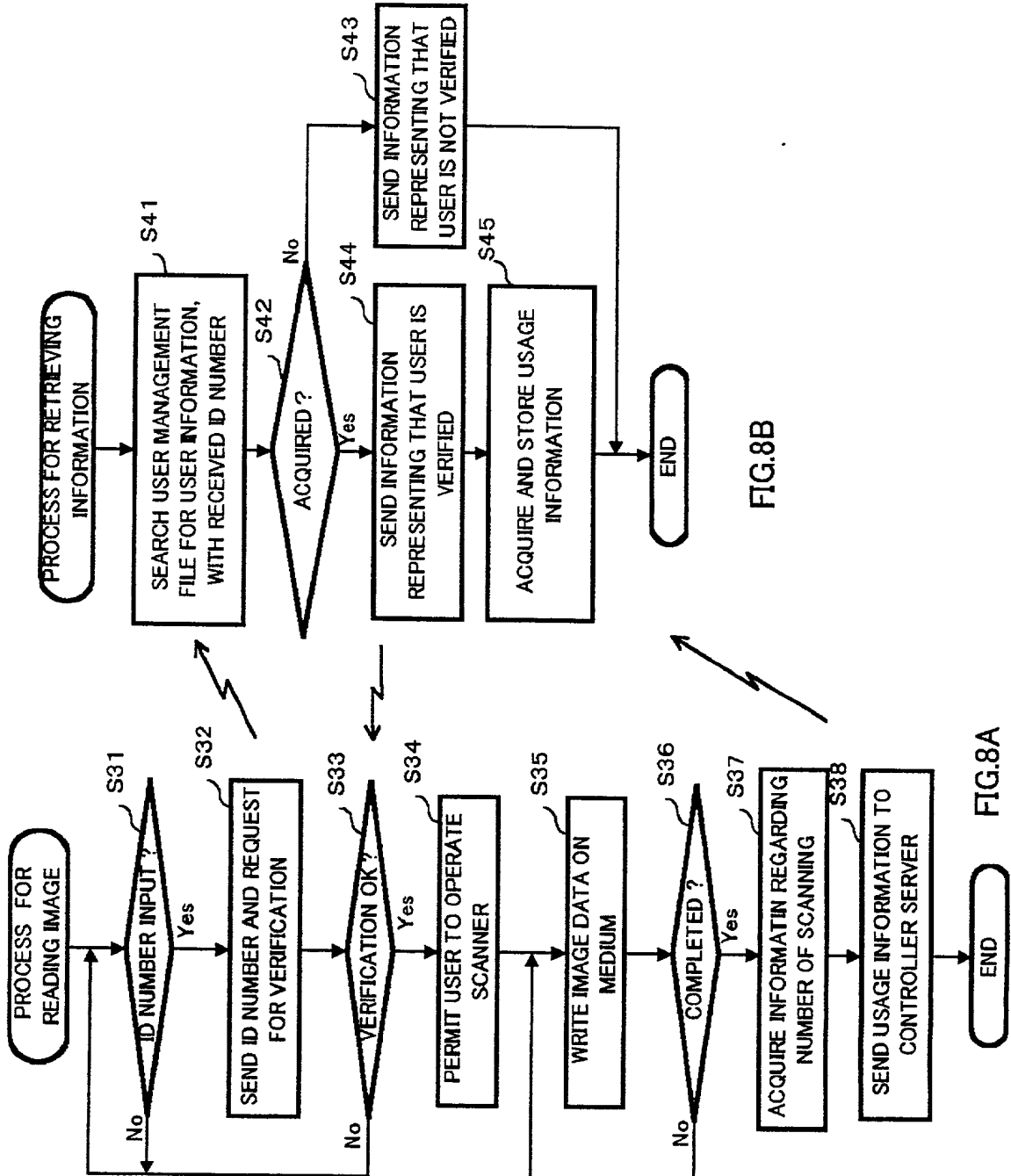


FIG. 6A

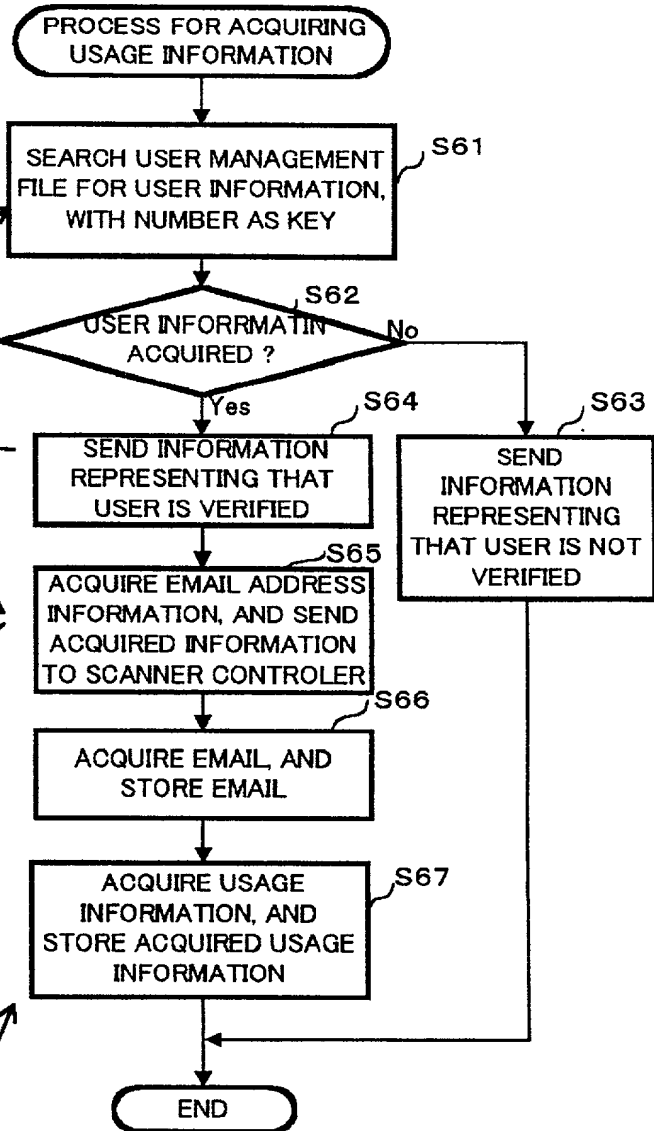
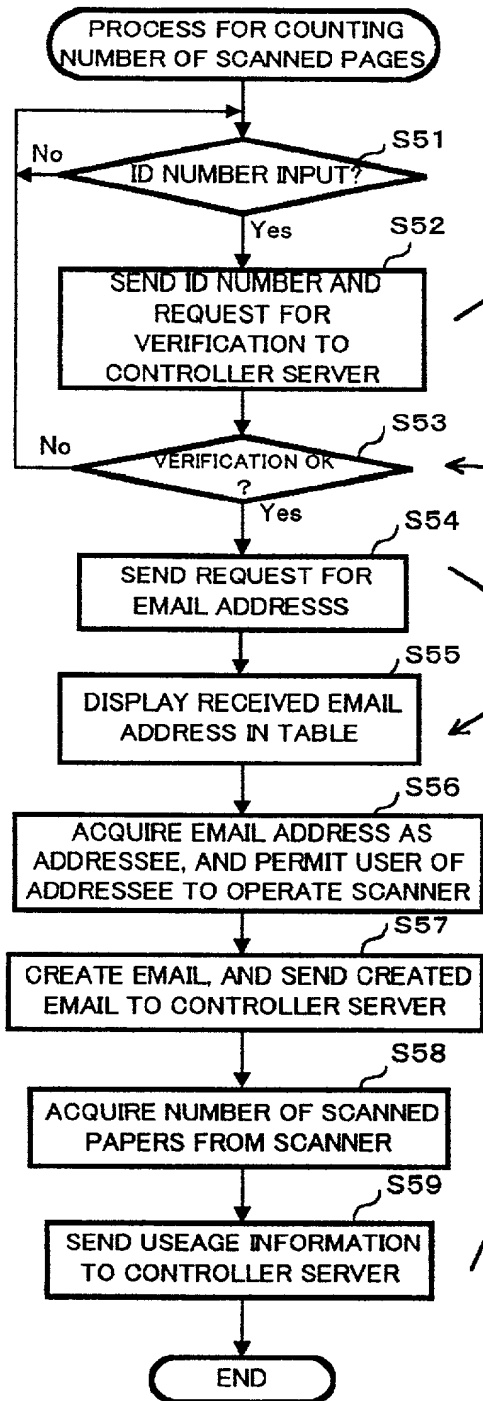
FIG. 6B

| DEVICE<br>SERIAL | ID      | A 4 | B 5 | DATE/TIME | ----- |
|------------------|---------|-----|-----|-----------|-------|
| 1234             | 1234567 | 12  | 24  | 2/8-9:53  | ----- |

FIG.7







| NAME                        | COMPANY                   | EMAIL ADDRESS              | ... |
|-----------------------------|---------------------------|----------------------------|-----|
| John Olson                  | ABC Medecal               | ab@cd.co.jp                | ... |
| Susan Becker<br>:<br>:<br>: | XYZ Electronics<br>:<br>: | bc@de.co.jp<br>:<br>:<br>: | ... |

FIG.10

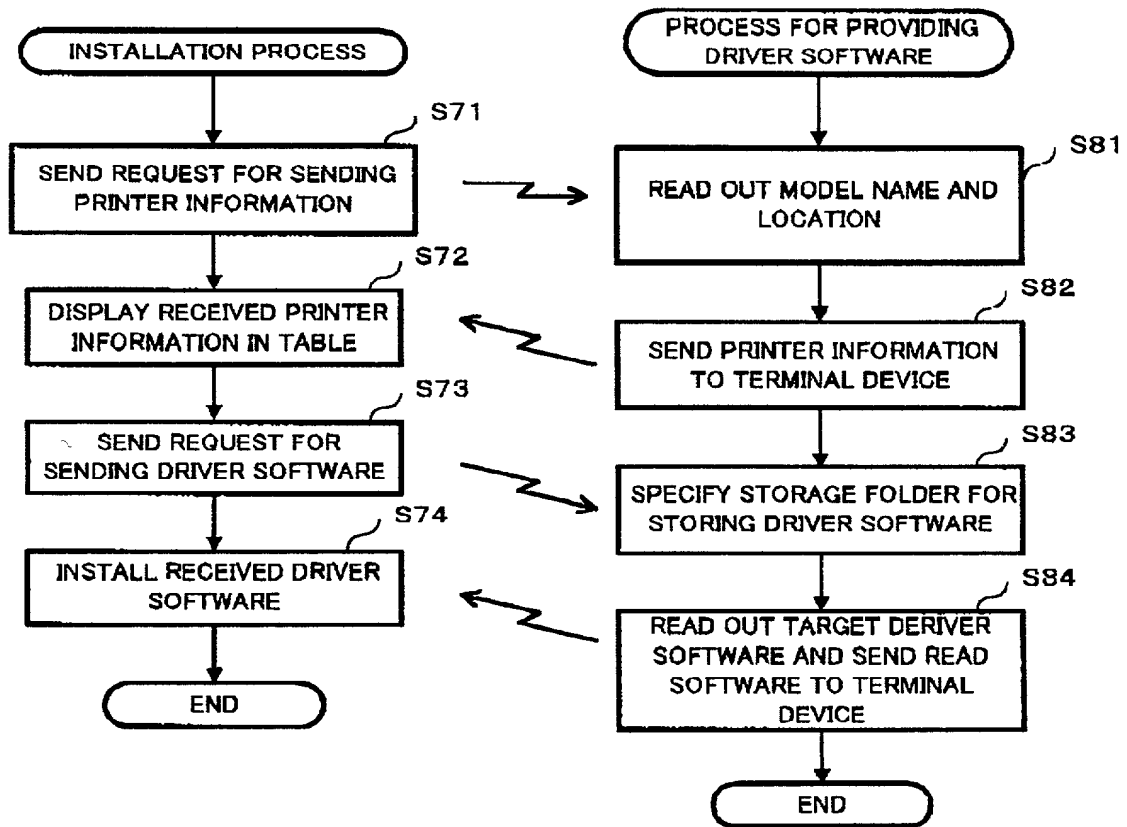


FIG.11A

FIG.11B

| MODEL    | LOCATION    |     |
|----------|-------------|-----|
| ABC-1234 | ABC SECTION | --- |
| BCD-2345 | XYZ SECTION | --- |

FIG.12

DEVICE MANAGEMENT FILE

[illegible]

FIG. 13 A

# USAGE INFORMATION MANAGEMENT FILE

| SERIAL<br>NUMBER |                                   |         | ID<br>NUMBER | BOTH-SIDE PRINTING<br>(SCANNING) | A 4 | A 3 | B 4 | B 5 |
|------------------|-----------------------------------|---------|--------------|----------------------------------|-----|-----|-----|-----|
|                  |                                   |         |              |                                  |     |     |     |     |
|                  |                                   |         |              |                                  |     |     |     |     |
|                  |                                   |         |              |                                  |     |     |     |     |
|                  |                                   |         |              |                                  |     |     |     |     |
| 1234             | NUMBER OF PAPERS USED<br>MONTHLY  | 4765    | 1234567      | 12                               | 234 | 0   | 0   | 45  |
|                  | NUMBER OF PAPERS USED<br>ANNUALLY | 24680   | 2345678      | 0                                | 345 | 23  | 456 | 678 |
|                  | TOTAL NUMBER OF USE<br>PAPERS     | 3394416 | :            | :                                | :   | :   | :   | :   |
|                  |                                   |         | :            | :                                | :   | :   | :   | :   |

FIG. 13B

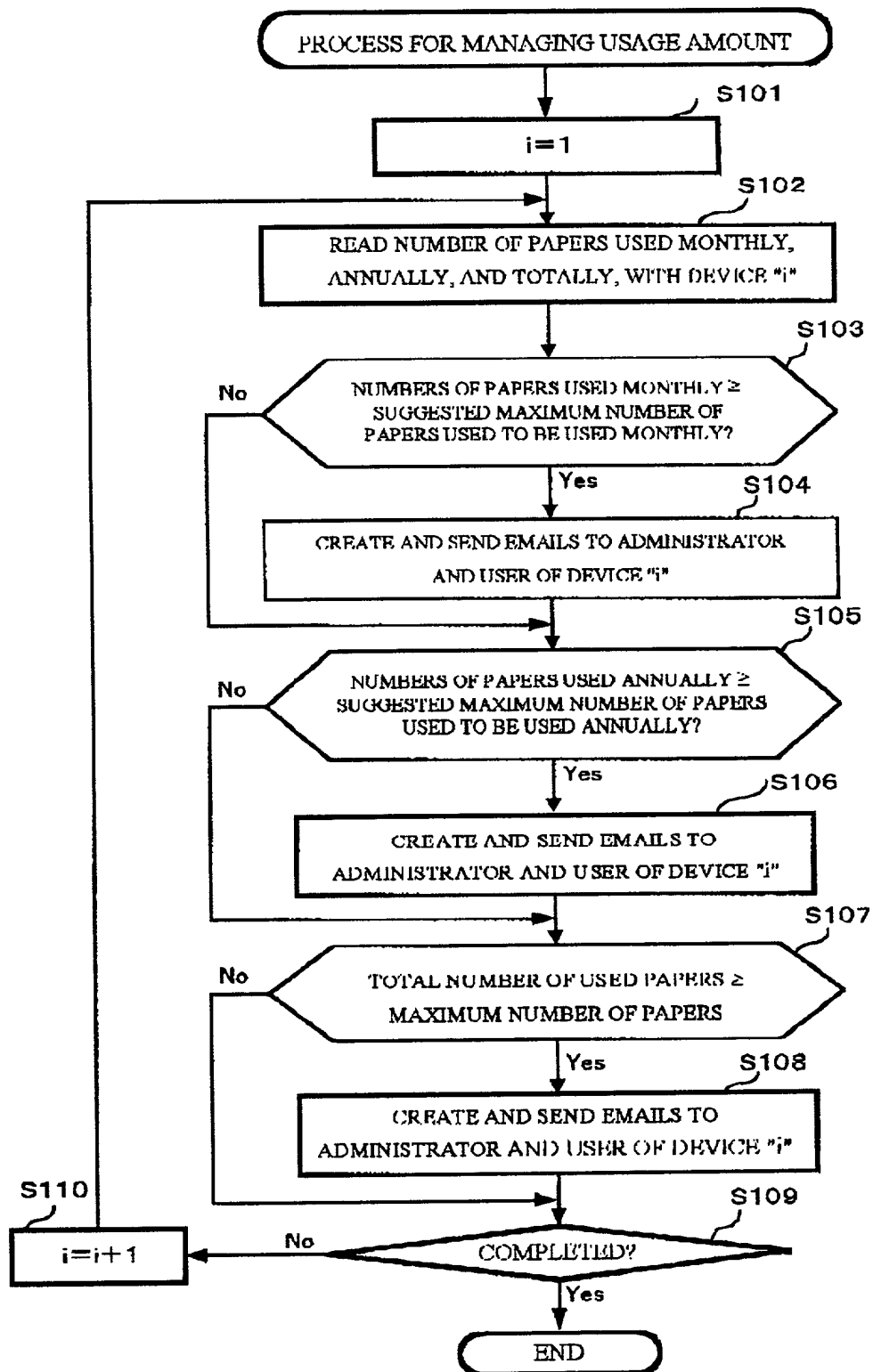


FIG.14

FIG. 15A

EMAIL ADDRESSED TO  
ADMINISTRATOR

MONTHLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED MONTHLY.

INSTRUCT USERS TO USE, FROM NOW ON,  
SUBSTITUTE DEVICE, SERIAL NUMBER ABC-  
9876.

FIG. 15B

EMAIL ADDRESSED TO USER

MONTHLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED MONTHLY.

USE, FROM NOW ON, SUBSTITUTE DEVICE,  
SERIAL NUMBER ABC-9876.

FIG. 15C

EMAIL ADDRESSED TO  
ADMINISTRATOR

ANNUALLY USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED ANNUALLY.

INSTRUCT USERS TO USE, FROM NOW ON,  
SUBSTITUTE DEVICE, SERIAL NUMBER ABC-  
9876.

FIG. 15D

EMAIL ADDRESSED TO USER

ANNUAL USAGE AMOUNT OF DEVICE, SERIAL  
NUMBER ABC-1234, HAS EXCEEDED  
SUGGESTED MAXIMUM NUMBER OF PAPERS TO  
BE USED ANNUALLY.

USE, FROM NOW ON, SUBSTITUTE DEVICE,  
SERIAL NUMBER ABC-9876.

DEVICE MANAGEMENT FILE 42

| SERIAL NUMBER | MODEL NAME | CLASSIFICATION       | NETWORK ADDRESS | LOCATION   |
|---------------|------------|----------------------|-----------------|------------|
| 1234          | ABC-1234   | MULTIFUNCTION DEVICE | 192.168.0.1     | 5-TH FLOOR |
| 2345          | BCD-2345   | PRINTER              | 192.168.0.2     | 4-TH FLOOR |

| NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 1 (TONER) | NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 1 (TONER) | NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 2 (PHOTOCONDUCTOR) | NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 2 (PHOTOCONDUCTOR) | NUMBER OF PAPERS SINCE PREVIOUS REPLACEMENT OF EXPENDABLE 2 (PHOTOCONDUCTOR) | NUMBER OF PAPERS OF REMINDING USAGE OF EXPENDABLE 2 (PHOTOCONDUCTOR) | SUBSTITUTE |
|---|---|--|--|--|--|------------|
| 22500   | 5500  | 11111  | 12000  | 8800   | 2800   | ABC-9876   |
| 33250   | 4250  | 9999   | 11000  | 6600   | 1500   | BCD-4418   |

FIG.16



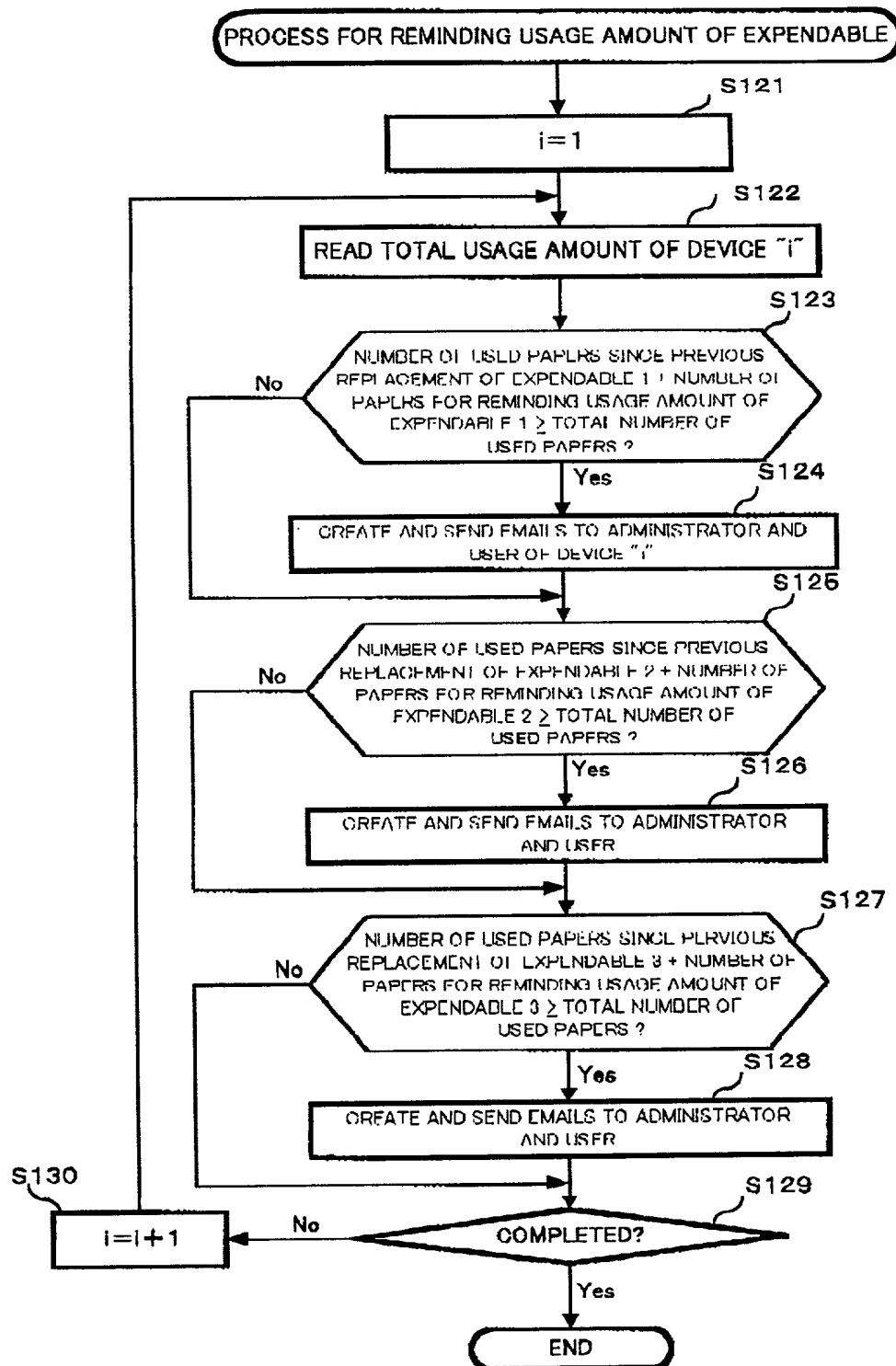


FIG. 17

FIG. 18A

EMAIL ADDRESSED TO ADMINISTRATOR

ALMOST TIME TO REPLACE EXPENDABLE 1  
(TONER) IN DEVICE, SERIAL NUMBER ABC-1234.

GET READY TO REPLACE TONER 1.

FIG. 18B

EMAIL ADDRESSED TO USER

ALMOST TIME TO REPLACE EXPENDABLE 1  
(TONER) IN DEVICE, SERIAL NUMBER ABC-1234.

CHECK OUTPUT PRINT.

IN CASE OF FAILURE, USE DEVICE, SERIAL  
NUMBER ABC-9876, INSTEAD.

USER MANAGEMENT FILE 41

| ID<br>NUMBER | NAME            | CODE<br>SECTION | CODE<br>NAME   | TELEPHONE<br>NUMBER | FAX<br>NUMBER | NUMBER OF<br>PRINTED<br>PAPERS | SUGGESTED<br>MAXIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>MONTHLY | NUMBER OF<br>PRINTED<br>PAPERS | SUGGESTED<br>MINIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>ANNUALLY | --- |
|--------------|-----------------|-----------------|----------------|---------------------|---------------|--------------------------------|--|--------------------------------|---|-----|
| 1234567      | SUSAN<br>BECKER | 123             | ABC<br>SECTION | 1234-5678           | 8765-4321     | 721                            | 3345   | 3391                           | 6691  | --- |
| 2345678      | JOHN<br>OLSON   | 234             | XYZ<br>SECTION | 2345-6789           | 9876-5432     | 654                            | 765  | 1882                           | 2344  | --- |
| :            | :               | :               | :              | :                   | :             | :                              | :  | :                              | :   | :   |
| :            | :               | :               | :              | :                   | :             | :                              | :  | :                              | :   | :   |

FIG. 19

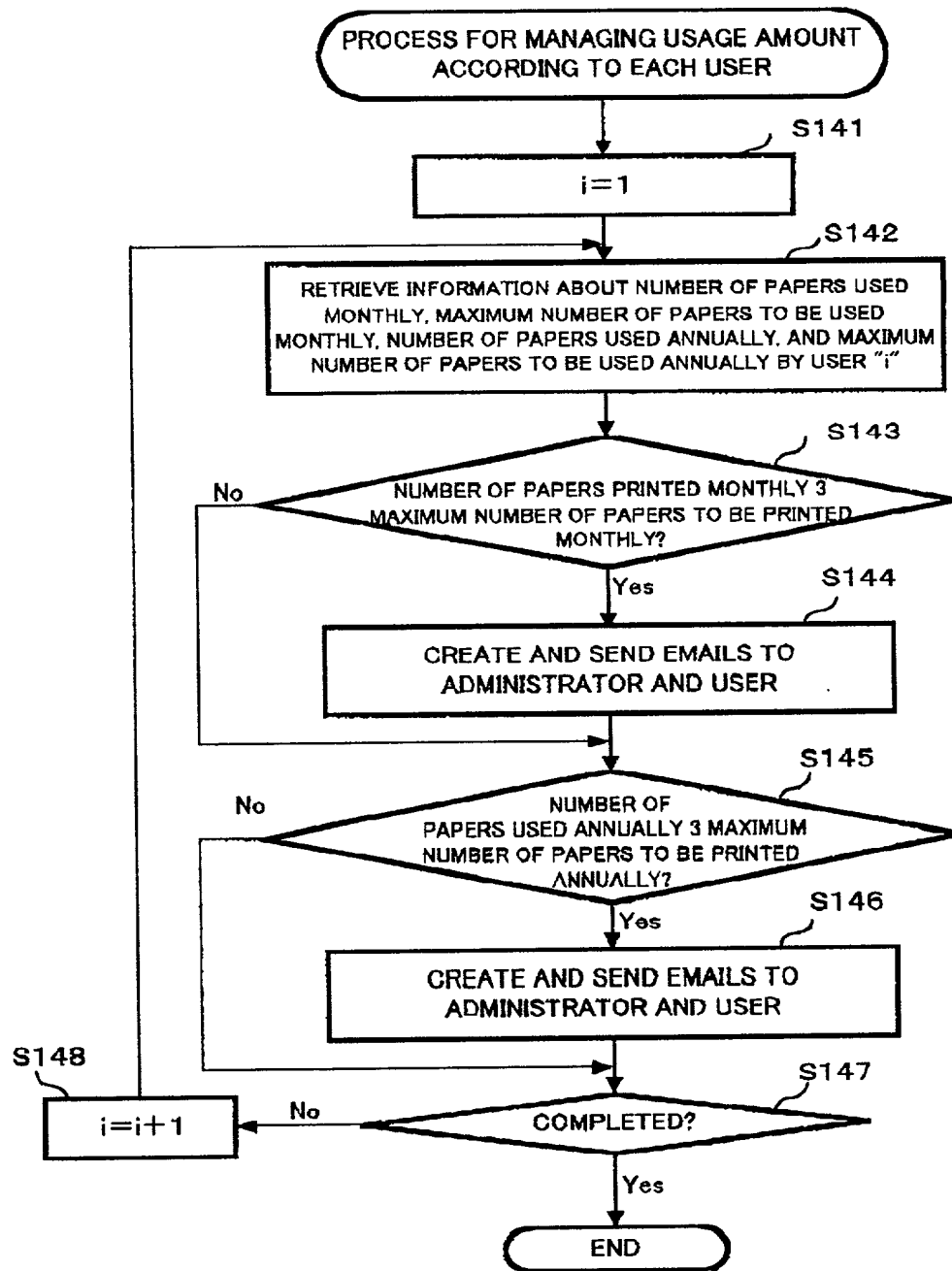


FIG. 20

EMAIL ADDRESSED TO ADMINISTRATOR

FIG. 21A

NUMBER OF PAPERS PRINTED BY USER  
"SUSAN BECKER" HAS EXCEEDED MAXIMUM  
NUMBER OF PAPERS TO BE PRINTED MONTHLY.

EMAIL ADDRESSED TO USER

FIG. 21B

YOU HAVE PRINTED (USED) NUMBER OF  
PAPERS WHICH HAS EXCEEDED MAXIMUM  
NUMBER OF PAPERS TO BE PRINTED MONTHLY.

REFRAIN FROM UNNECESSARY PRINTING.

SECTION MANAGEMENT FILE 48

| SECTION CODE | SECTION NAME | COMPOSIT ION STAFF ID NUMBER      | COMPOSIT ION STAFF NAME                     | NUMBER OF PAPERS PRINTED MONTHLY | MAXIMUM NUMBER OF PAPERS TO BE PRINTED MONTHLY | NUMBER OF PAPERS PRINTED ANNUALLY | MAXIMUM NUMBER OF PAPERS TO BE PRINTED ANNUALLY | ----        |
|--------------|--------------|-----------------------------------|---|----------------------------------|--|-----------------------------------|---|-------------|
| 123          | ABC SECTION  | 1234567<br>3456788<br>:<br>:<br>: | SUSAN BECKER<br>MAT DAVIDSON<br>:<br>:<br>: | 1721                             | 23345  | 123391                            | 226691  | ----        |
| 234          | XYZ SECTION  | 2345678<br>5678901                | JOHN DAWSON<br>ANN GREENIDGE                | 1654                             | 9765   | 31882                             | 92344   | ----        |
| :<br>:<br>:  | :<br>:<br>:  | :<br>:<br>:                       | :<br>:<br>:                                 | :<br>:<br>:                      | :<br>:<br>:                                    | :<br>:<br>:                       | :<br>:<br>:                                     | :<br>:<br>: |

FIG. 22

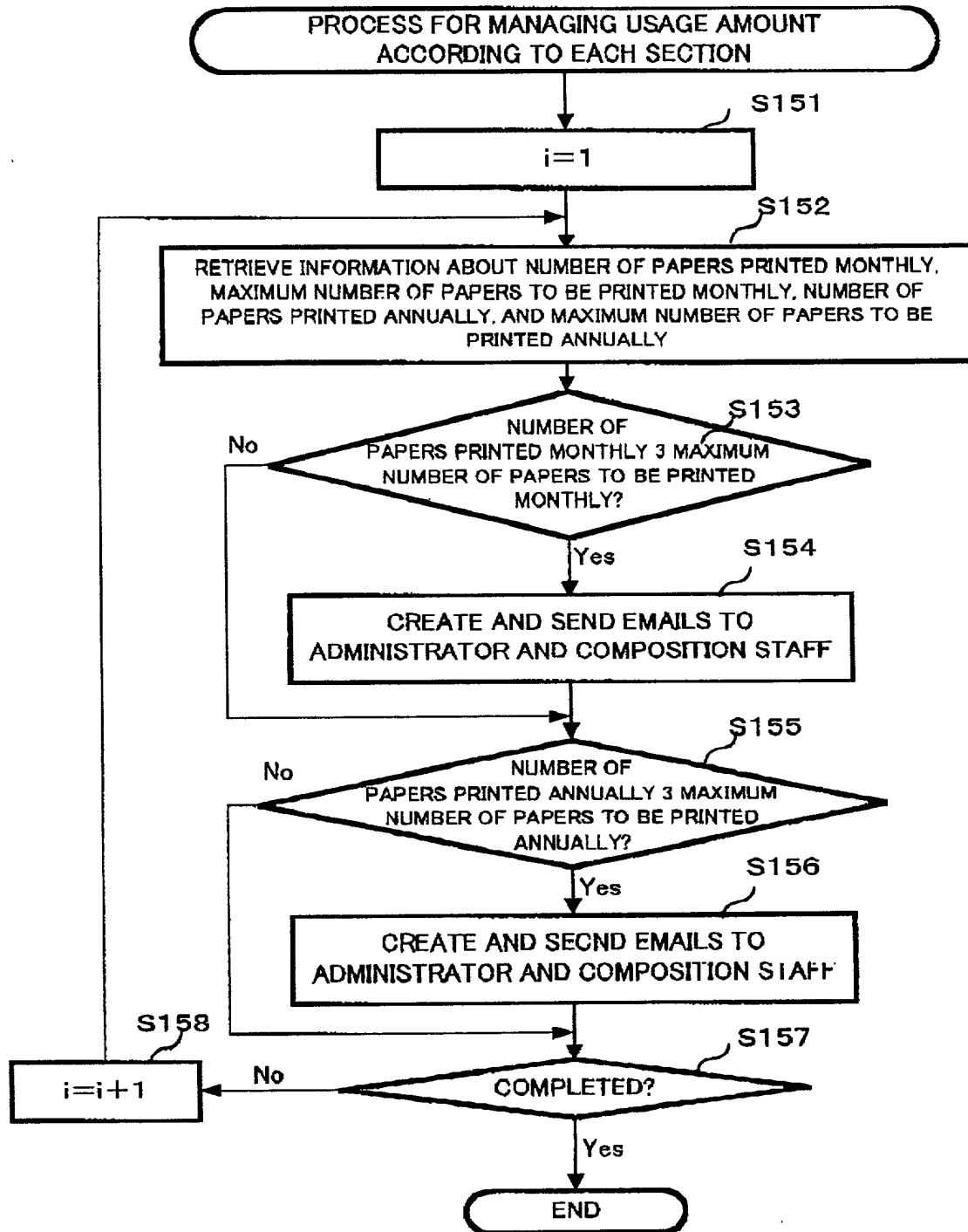


FIG. 23

FIG. 24A

EMAIL ADDRESSED TO ADMINISTRATOR

NUMBER OF PAPERS PRINTED BY SECTION  
123456 HAS EXCEEDED MAXIMUM NUMBER OF  
PAPERS TO BE USED MONTHLY.

FIG. 24B

EMAIL ADDRESSED TO USER

NUMBER OF PAPERS PRINTED BY SECTION  
123456 HAS EXCEEDED MAXIMUM NUMBER OF  
PAPERS TO BE USED MONTHLY.

REFRAIN FROM UNNECESSARY PRINTING.



DEVICE MANAGEMENT FILE 42

| SERIAL<br>NUMBER | MODEL NAME | CLASSIFICA<br>TION       | NETWORK<br>ADDRESS | LOCATION                                       | SUGGESTED<br>MAXIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>MONTHLY | SUGGESTED<br>MAXIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>ANNUALLY | SUGGESTED<br>MINIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>MONTHLY | SUGGESTED<br>MINIMUM<br>NUMBER OF<br>PAPERS TO<br>BE USED<br>ANNUALLY | ... |
|------------------|------------|--------------------------|--------------------|--|--|---|--|---|-----|
| 1234             | ABC-1234   | MULTIFUNCT<br>ION DEVICE | 192.168.0.1        | AT WINDOW OF ABC<br>SECTION ON 5-TH<br>FLOOR   | 12000  | 100000  | 6000   | 50000   | ... |
| 2345             | BCD-2345   | PRINTER                  | 192.168.0.2        | AT ENTRANCE OF<br>XYZ SECTION ON<br>4-TH FLOOR | 6000   | 50000   | 3000   | 25000   | ... |
| ...              | ...        | ...                      | ...                | ...  | ...  | ...   | ...  | ...   | ... |

FIG. 25

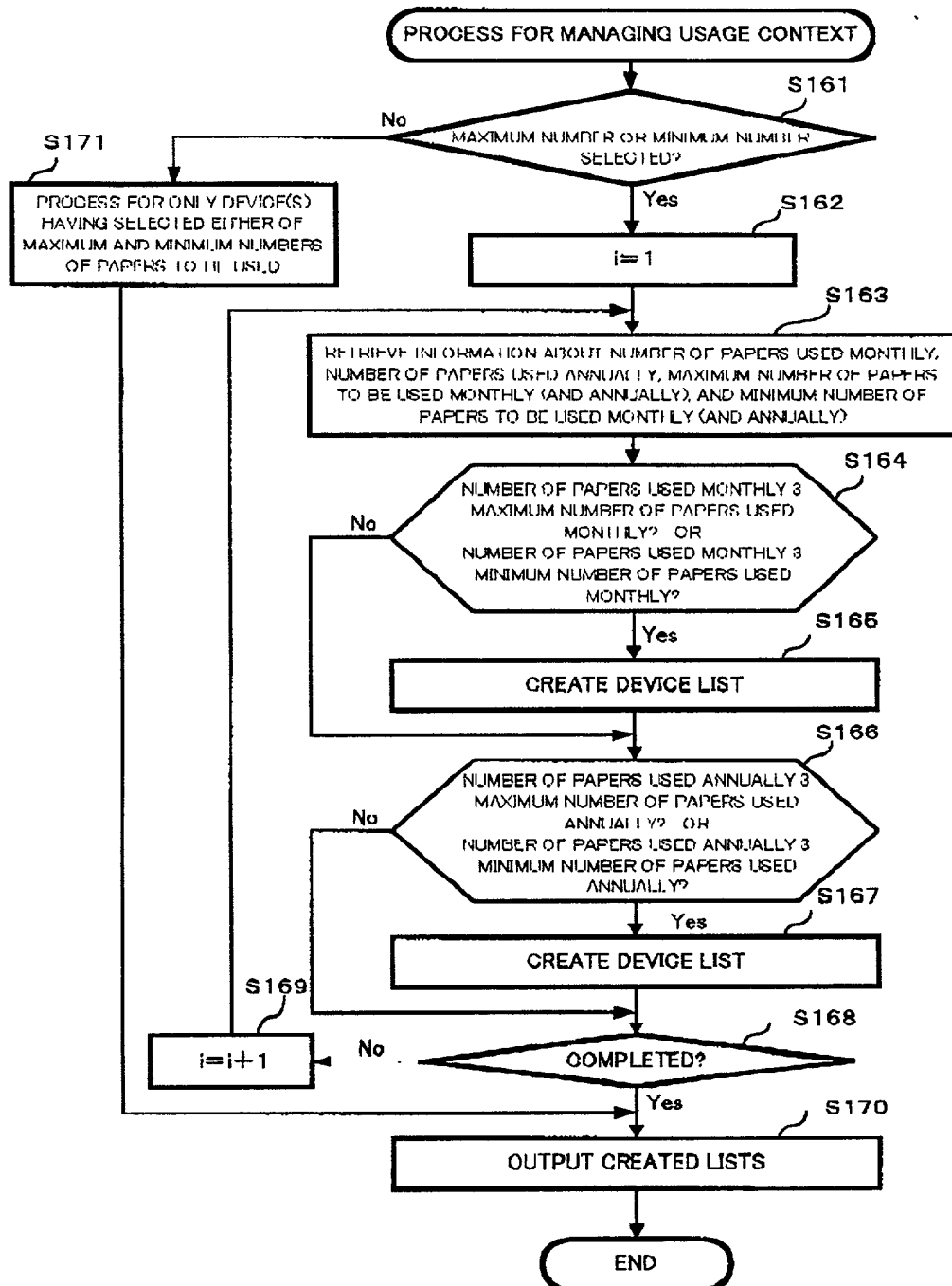


FIG. 26

DEVICE WHICH ARE USED TO PRINT LARGER NUMBER OF PAPERS THAN MAXIMUM NUMBER OF PAPERS TO BE USED MONTHLY

| CLASSIFICATION               | SERIAL NUMBER | LOCATION   | MAXIMUM NUMBER OF PAPERS<br>TO BE USED MONTHLY | NUMBER OF PAPERS<br>USED MONTHLY | ----- |
|------------------------------|---------------|------------|--|----------------------------------|-------|
| MULTI-<br>FUNCTION<br>DEVICE | 1234          | 5-TH FLOOR | 765  | 766                              | ----- |
|                              | 3574          | 2-TH FLOOR | 22765  | 22775                            | ----- |
|                              | :             | :          | :  | :                                | :     |
|                              | :             | :          | :  | :                                | :     |
| PRINTER                      | 2345          | 4-TH FLOOR | 999  | 1000                             |       |

FIG27A

DEVICE WHICH ARE USED TO PRINT LARGER NUMBER OF PAPERS THAN MAXIMUM NUMBER OF PAPERS TO BE USED ANNUALLY

| CLASSIFICATION               | SERIAL NUMBER | LOCATION   | MAXIMUM NUMBER OF PAPERS<br>TO BE USED MONTHLY | NUMBER OF PAPERS<br>USED MONTHLY | ----- |
|------------------------------|---------------|------------|--|----------------------------------|-------|
| MULTI-<br>FUNCTION<br>DEVICE | 1234          | 5-TH FLOOR | 9765   | 9766                             | ----- |
| PRINTER                      | NONE          |            |  |                                  |       |

FIG27B

DEVICE WHICH ARE USED TO PRINT SMALLER NUMBER OF PAPERS THAN MINIMUM NUMBER OF PAPERS TO BE USED MONTHLY

| CLASSIFICATION               | SERIAL NUMBER | LOCATION   | MINIMUM NUMBER OF PAPERS<br>TO BE USED MONTHLY | NUMBER OF PAPERS<br>USED MONTHLY | ----- |
|------------------------------|---------------|------------|--|----------------------------------|-------|
| MULTI-<br>FUNCTION<br>DEVICE | 3329          | 9-TH FLOOR | 500  | 200                              | ----- |
| PRINTER                      | 5234          | 4-TH FLOOR | 2300   | 1000                             | ----- |

FIG.27C

DEVICE WHICH ARE USED TO PRINT SMALLER NUMBER OF PAPERS THAN MINIMUM NUMBER OF PAPERS TO BE USED ANNUALLY

| CLASSIFICATION               | SERIAL NUMBER | LOCATION            | MINIMUM NUMBER OF PAPERS<br>TO BE USED MONTHLY | NUMBER OF PAPERS<br>USED MONTHLY | ----- |
|------------------------------|---------------|---------------------|--|----------------------------------|-------|
| MULTI-<br>FUNCTION<br>DEVICE | 15834         | EXECUTIVE'S<br>ROOM | 9765   | 9766                             | ----- |
| PRINTER                      | 2222          | MEETING ROOM        | 22222  | 2222                             | ----- |

FIG.27D

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| DRIVER MANAGEMENT FILE |         |                            |  |           |
|------------------------|---------|----------------------------|--|-----------|
| MODEL NAME             | VERSION | SOFTWARE-STORAGE<br>FOLDER | LIST OF USERS HAVING DOWNLOADED DRIVER |           |
|                        |         |                            | 1                                      | 2         |
| ABC-1234               | 1.01    | ¥sys¥abc¥drv               | Y:1234567                              | Y:2345678 |
| BCD-2345               | 2.03    | ¥sys¥bcd¥drv               | N:1234567                              | Y:2348878 |
| ⋮                      | ⋮       | ⋮                          | ⋮                                      | ⋮         |
| ⋮                      | ⋮       | ⋮                          | ⋮                                      | ⋮         |

FIG. 28

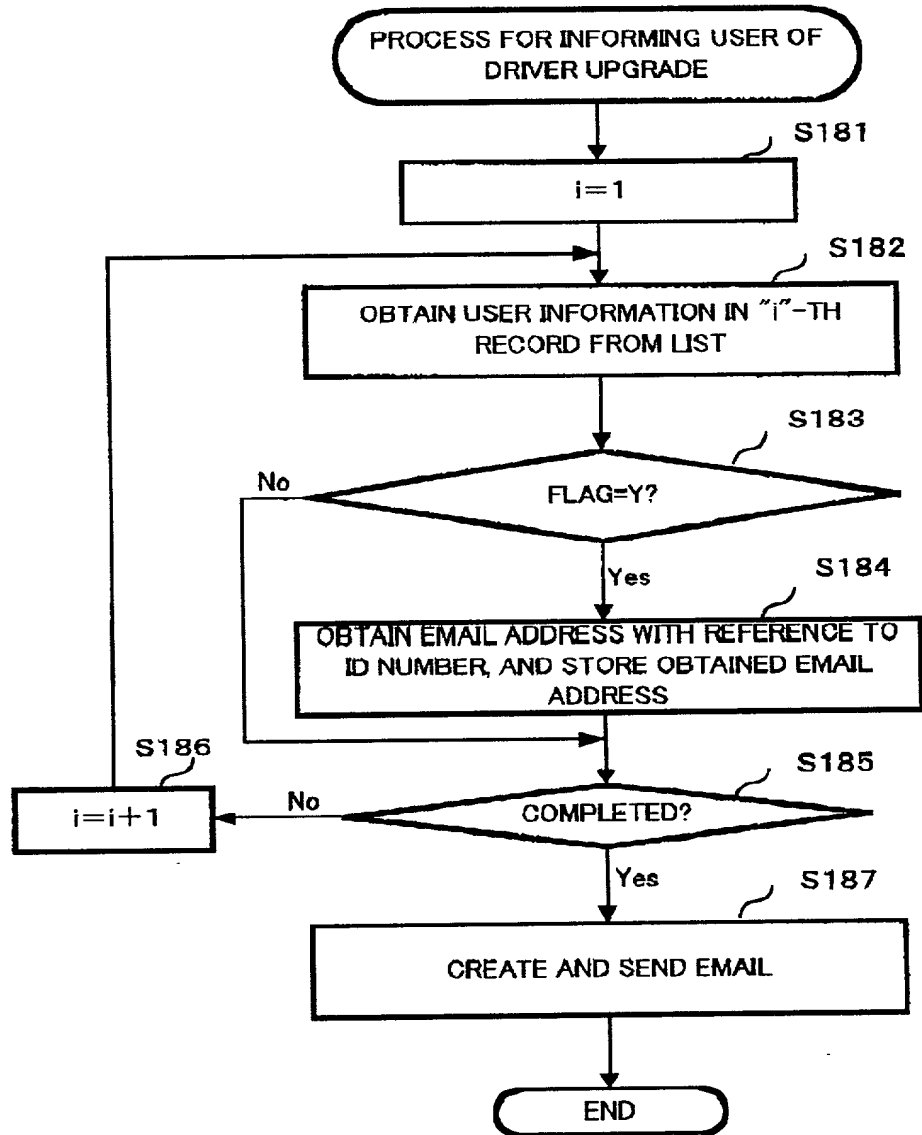


FIG.29

EMAIL ADDRESSED TO USER HAVING  
DOWNLOADED DRIVER-SOFTWARE

DRIVER SOFTWARE OF "PRINTER BCD-2345" IS  
UPGRADED TO "VERSION 2.03".  
DOWNLOAD UPGRADED DRIVER SOFTWARE.

SOFTWARE-STORAGE HOLDER IS "%sys%bcd%drv".

FIG. 30